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TCS 9197/64
G-MB - 860/64
5 November 1964
Copy 1

MEMORANDUM FOR: Chief, General Sciences Division, OSI

25X1A

ATTENTION :

THRU : Chief, RB/RG/CGS, Scientific Resources Branch

FROM : Chief, CIA/PID (NPIC)

SUBJECT : Possible Torpedo Test Facility, Przheval'sk
(Lake Issyk-Kul), USSR

REFERENCE : Requirement No. C-SI4-81,622 (Project No. C 1217-64)

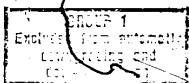
1. In response to Requirement No. C-SI4-81,622 (C 1217-64), a photographic and mensural analysis was performed on a possible torpedo test facility located on an arm of Lake Issyk-Kul (42 33 40N-78 16 20E) approximately 7 nm NW of the town of Przheval'sk.

2. The possible torpedo test facility is located on a flat coastal lowland shelf within an irregular area approximately 3,800 x 600 feet. A steep cliff roughly parallels the facility along its SE boundary (toward Przheval'sk). The site is secured by fencing except where it borders on the lake. The facility is not rail-served; a road connects the site with the town of Przheval'sk (42 29N-78 23E) and a pier could provide berthing facilities for water-borne traffic to the railhead at Rybach'ye (42 28N-76 12E) at the western end of Lake Issyk-Kul.

3. This installation is comprised of the following facilities:

a. A solidly constructed (probably concrete) angled pier, approximately [redacted] feet in length, containing a shed (approximately [redacted] feet) at its head. Straddling the pier on either side, approximately 100 feet from its head, is a cradle-like apparatus suspended above the water. The apparatus appears to consist of a pair of "troughs," each approximately 75 feet in length, over-slung from each side of the pier just above the water. These "troughs" may be housings for--or in some way related to--torpedo launching mechanisms. A series of three brackets, apparently elevated above the level of the pier, connects the "troughs" with one another across the width of the pier. (See photos 3A, 3B and enclosed scale drawing.)

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b. A large monitor-roofed fabrication building (approximately 485 feet by 200 feet by [REDACTED] feet high) is located behind the angled pier. A wall connects this building with the pier. Of possible significance is a small, high, rectangular structure which is located atop the extreme NE corner of the monitor-roofed building. It is believed that this structure could function as a possible observation and/or monitoring station since it is located along an axis passing along the length of the angled pier and through a temporary floating platform moored well offshore. (See subpara 3d below and photo 3B.)

c. Four medium-sized buildings, two small buildings and one irregularly-shaped structure are also located within the secured installation. Approximate dimensions of the more significant of these buildings/structures are as follows (letters refer to the annotations on the enclosed scale drawing):

<u>Annotation</u>	<u>Dimensions (Feet)</u>
A	210 x 50
B	110 x 55
C	105 x 65
D	215 x 55
*E	215 x 70

*Note: maximum dimensions are given for the irregularly-shaped structure.

Two large unidentified storage tanks are located within a rectangular revetted compound, and a possible water tower is situated in the center of the facility.

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d. On KEYHOLE [REDACTED] a floating platform was noted in line with the pier axis and approximately 2,500 feet from the head of the pier. (See photo 4.) On KEYHOLE Mission [REDACTED] a rectangular floating platform (approximately 85 feet by 25 feet) was located approximately 3,200 feet from the head of the pier and along a projection of the pier axis. KH Missions [REDACTED]

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[REDACTED] did not reveal any objects in line with the pier axis although a rectangular object was observed on the latter mission moored along the shoreline near the SW end of the installation.

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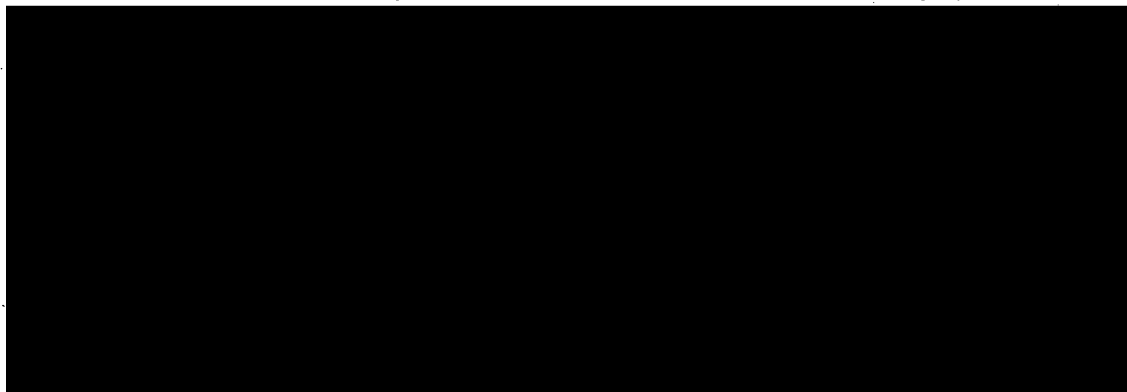
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4. The Naval Torpedo Test Station at Feodosiya, USSR (44 57N-35 22E), and the torpedo test station at the Makhachkala Ammunition Plant Dvigatel 182, Kaspiysk, USSR (42 54N-47 41E), were examined on KEYHOLE photography in order to determine if any similarities could be noted between these installations and the facility at Przheval'sk. The test station at Feodosiya was noted to have only three possible features in common with the Issyk-Kul site: (a) the presence of a large monitor-roofed building; (b) a long finger pier with a building located at its head; and (c) a security fence/wall on the landward side of the more significant buildings. However, the Feodosiya installation is confined within a very small area around the pier (due to terrain limitations). No offshore monitoring platforms or possible launching apparatus were noted at the Feodosiya site. The Makhachkala test facility consists of one large rectangular platform - supposedly on an islet - 1 1/2 nm offshore from the ammunition plant at Kaspiysk. The platform appears to have walls on each side and a tower-like structure rising from the center of one of the long walls. No launching apparatus was detected onshore in the vicinity of the ammunition plant.

5. The alignment of the pier, the possible monitoring platform, and the structure atop the NE corner of the monitor-roofed buildings all fall along an axis which follows an unobstructed course throughout the length of the bay and into the main body of Lake Issyk-Kul. Depths along this course range from approximately 40 meters near the head of the pier to about 65 meters at the mouth of the bay some 8 nm away. This course - or possible torpedo firing range - appears to avoid the nearest headland by at least 200 yards. (See map 1 and photo 1.)

6. On the basis of available KEYHOLE photography no nuclear-associated activity could be identified within the immediate vicinity of this facility - or within the facility proper.

7. Photography utilized for this project was as follows:



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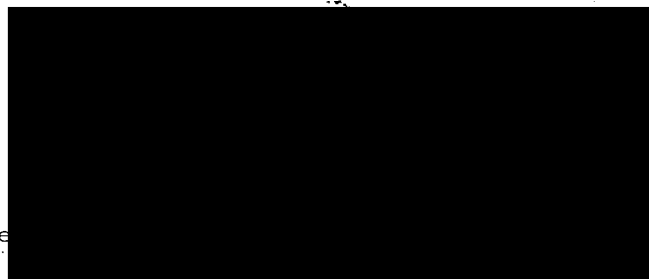
8. Forwarded for your retention are 5 annotated photo enlargements (CIA/PID/GMB/P-3490/64 thru P-3494/64), one map (CIA/PID/GMB/P-3495/64) and one scale drawing (CIA/PID/GMB/P-3496/64).

9. All dimensions annotated on the enclosed scale drawing were performed by CIA/TID/TAB (NPIC). Additional measurements referenced in this memorandum were derived by the PI and should be considered approximate. The photo analysis on this project was performed by [REDACTED] CIA/PID/GMB (NPIC), who may be contacted on ext. 2548 for any additional information. 25X1A

10. This memo with enclosures completes the referenced requirement.

ENCLOSURES:

- a. 5 annotated photo enlargements
- b. 1 map
- c. 1 scale drawing
- d. 1 AMS sheet (returning)



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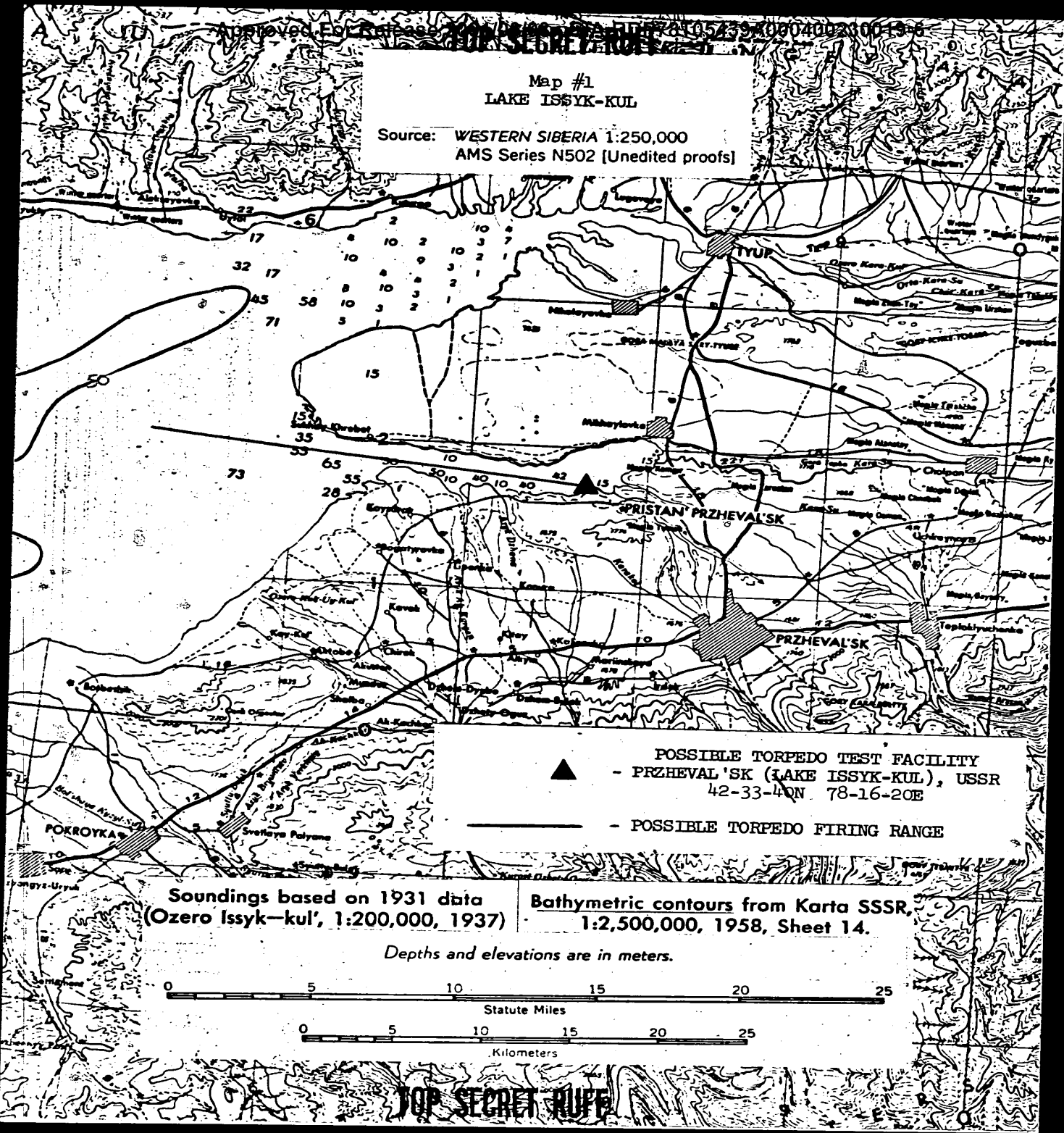
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Map #1
LAKE ISSYK-KUL

Source: WESTERN SIBERIA 1:250,000
AMS Series N502 [Unedited proofs]



Soundings based on 1931 data
(Ozero Issyk-kul', 1:200,000, 1937)

Bathymetric contours from Karta SSSR,
1:2,500,000, 1958, Sheet 14.

Depths and elevations are in meters.



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Photo #3B
25X1D (part 2 of stereo pair)

Floating platform

Possible torpedo
launching apparatus

Possible elevated
observation and/or
monitoring station

POSSIBLE TORPEDO TEST FACILITY
PRZHEVAL'SK (LAKE ISSYK-KUL), USSR
42-33-40N 78-16-20E

NPIC TOP SECRET RUFT Mission

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25X15

Photo #4

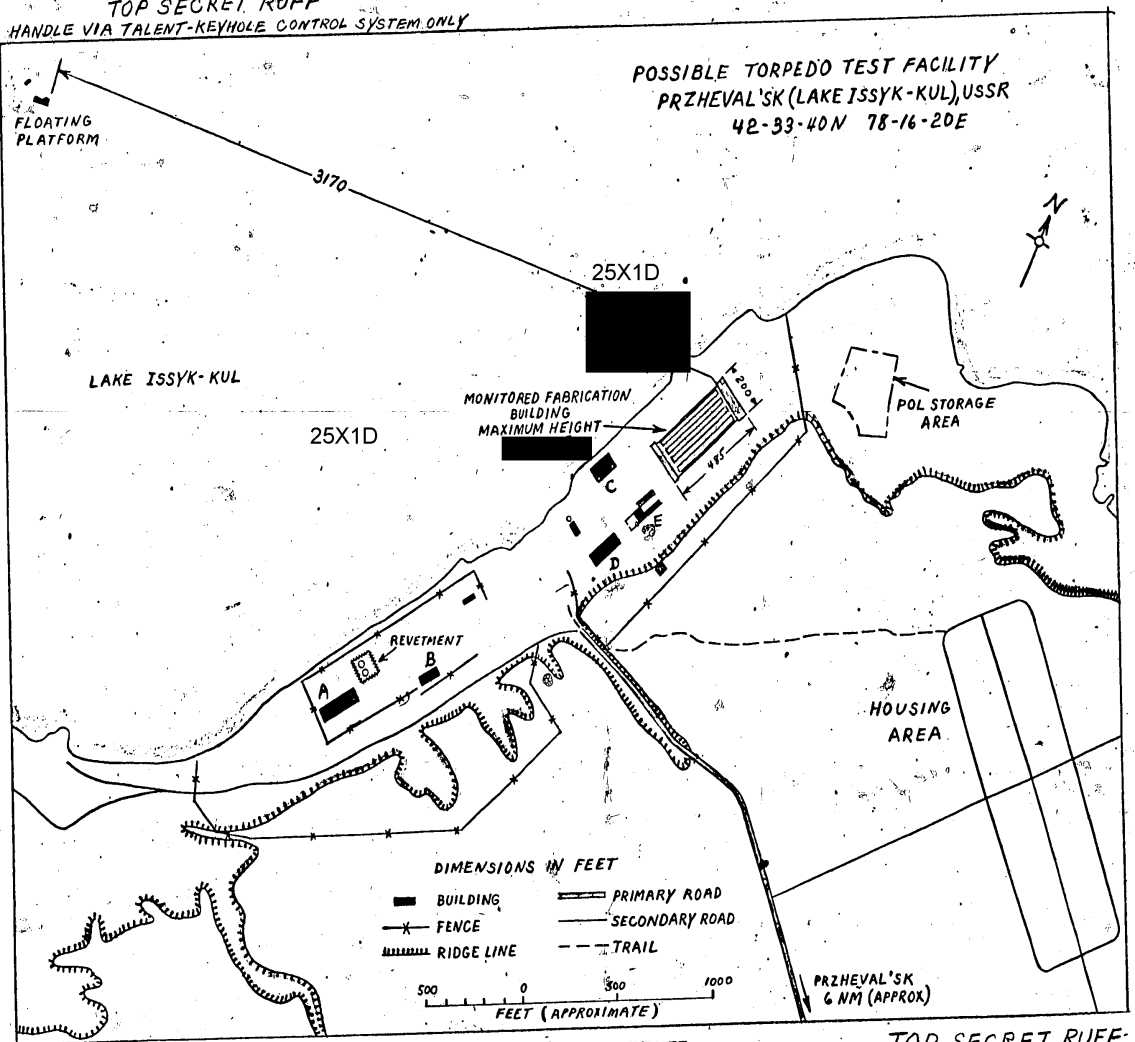


Floating platform

POSSIBLE TORPEDO TEST FACILITY
PRZHEVAL'SK (LAKE ISSYK-KUL), USSR
42-33-40N 78-16-20E

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ALL DIMENSIONS ARE APPROXIMATE

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25X1D Photo #3A
(part 1 of stereo pair)

POSSIBLE TORPEDO TEST FACILITY
PRZHEVAL'SK (LAKE ISSYK-KUL), USSR
42-33-40N 78-16-20E

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NPIC TOP SECRET RUFF Mission



POSSIBLE TORPEDO TEST FACILITY *
PRZHEVAL'SK (LAKE ISSYK-KUL); USSR
42-33-40N 78-16-20E

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NPIC TOP SECRET RUFF Mission